

- Warning**  ● Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.
- If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Dealer:

DAIKIN AIRCONDITIONING PHILIPPINES, INC.
 2nd Floor, Hanston Square, 17 San Miguel Avenue,
 Ortigas Center, Pasig City, 1605
 Tel. No.: (02) 942-6800/942-6792
 Fax No.: (02) 942-6793

Split Type Air Conditioners

DC Inverter Control 60 Hz

R-32

Urusara 7

FTKJ Series

FTKV Series

FTKC Series



Urusara 7



FTKJ Series

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Split Type Air Conditioners

DC Inverter Control 50/60 Hz **R-32**

Urusara 7

FTKJ Series

FTKV Series

FTKC Series



Urusara 7



FTKJ Series

Lineup of DC Inverter Air Conditioners with R-32 Refrigerant

Daikin is the sole manufacturer to produce both air conditioning equipment and refrigerants worldwide. Our cutting-edge technologies and use of advanced R-32 refrigerant provide enhanced comfort while reducing the impact on climate change.

	2.5 kW Class	3.5 kW Class	5.0 kW Class	6.0 kW Class
Urusara 7 R-32 INVERTER	 FTXZ25NVM	 FTXZ35NVM	 FTXZ50NVM	
FTKJ Series R-32 INVERTER	 FTKJ25NVMW (white)	 FTKJ35NVMW (white)	 FTKJ50NVMW (white)	
	 FTKJ25NVMS (silver)	 FTKJ35NVMS (silver)	 FTKJ50NVMS (silver)	
FTKV Series R-32 INVERTER	 FTKV25NVM	 FTKV35NVM	 FTKV50NVM	 FTKV60NVM
FTKC Series R-32 INVERTER	 FTKC25NVM	 FTKC35NVM	 FTKC50NVM	 FTKC60NVM



Urusara 7

A New Kind of Cool

Urusara 7 puts the latest Japanese air conditioning technology at your fingertips, offering a unique, total comfort experience for any lifestyle. Powerful year-round cooling and dehumidifying are just the beginning.

Urusara 7 is also the world's first air conditioner to use next-generation R-32 refrigerant¹. Along with its many energy-saving features, this higher performance refrigerant gives Urusara 7 unrivalled energy efficiency².

Features

- Redesigned air intake and heat exchanger
- World-first³ humidity control technology
- Precision circulation airflow
- Reliable streamer discharge air purification
- Convenient automatic filter cleaning system
- Innovative design with Japanese aesthetic



urusara 7

Daikin Air Conditioner Made in Japan



reddot design award
winner 2013

Category: Product Design 2013

Notes: 1. This is for residential-use wall-mounted type air conditioners as of November 2012, when Daikin launched Urusara 7 in the Japanese market.

2. In January 2013, the 4.0 to 7.1 kW class models for the Japanese market received the Minister's Prize from Japan's Ministry of Economy, Trade and Industry in the Fiscal 2012 Grand Prizes for Excellence in Energy Efficiency and Conservation.

3. As of 1999, when Daikin launched Ururu Sarara in the Japanese market.



FTKJ Series

Form. Function. Design.

Sleek European style of FTKJ series proves once again that design is everything. Yet this elegant body also houses cutting-edge smart technology which provides outstanding comfort and performance in any situation.

The series also delivers Daikin's well-known energy efficiency, thanks to features such as its redesigned swing compressors. This versatile system truly is a total solution for designers, architects and home-owners alike.

Features

- Energy-saving COP of 3.59 to 4.81
- Stylish finish in eye-pleasing colours
- Wide selection of comfort technologies
- Whisper quiet sound level
- Remote control from mobile devices



White



Silver



reddot award 2014
winner

Urusara 7

Heat Pump



FTXZ25/35/50

Model name	Indoor unit			FTXZ25	FTXZ35	FTXZ50
	Outdoor unit			RXZ25	RXZ35	RXZ50
Capacity	Cooling	Rated (Min.-Max.)	kW	2.45 (0.6-3.9)	3.45 (0.6-5.3)	4.95 (0.6-5.8)
			Btu/h	8,400 (2,000-13,300)	11,800 (2,000-18,100)	16,900 (2,000-19,800)
	Heating	Rated (Min.-Max.)	kW	3.6 (0.6-7.5)	5.0 (0.6-9.0)	6.3 (0.6-9.4)
			Btu/h	12,300 (2,000-25,600)	17,100 (2,000-30,700)	21,500 (2,000-32,100)
Power consumption	Cooling	Rated (Min.-Max.)	W	430 (110-880)	680 (110-1,330)	1,150 (110-1,600)
	Heating			620 (100-2,010)	1,000 (100-2,530)	1,410 (100-2,640)
Indoor unit				FTXZ25	FTXZ35	FTXZ50
Dimensions (H×W×D)			mm	295 × 798 × 370		
Outdoor unit				RXZ25	RXZ35	RXZ50
Dimensions (H×W×D)			mm	595 × 795 × 300		

See the Urusara 7 catalogue for details.

FTKJ Series

Cooling Only



FTKJ25/35/50 (white)



FTKJ25/35/50 (silver)

Model name	Indoor unit		FTKJ25 (white)	FTKJ35 (white)	FTKJ50 (white)			
			FTKJ25 (silver)	FTKJ35 (silver)	FTKJ50 (silver)			
	Outdoor unit		RKJ25	RKJ35	RKJ50			
Cooling capacity	Rated (Min.-Max.)	kW	Specifications are not fixed.					
		Btu/h						
Power consumption	Rated (Min.-Max.)	W						
Indoor unit						FTKJ25 (white)	FTKJ35 (white)	FTKJ50 (white)
						FTKJ25 (silver)	FTKJ35 (silver)	FTKJ50 (silver)
Dimensions (H×W×D)		mm						
Outdoor unit			RKJ25	RKJ35	RKJ50			
Dimensions (H×W×D)		mm						

See the FTKJ series catalogue for details.

Contents of FTKV and FTKC Series



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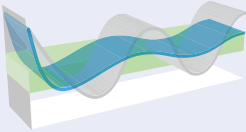
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FTKV and FTKC Series

It's Time for DC Inverter

Inverter air conditioners are well known for their precise control. In fact, their outstanding efficiency can cut energy bills compared to non-inverter models. This precision also means greater comfort, plus full power at the touch of a button.

With its strong environmental commitment, Daikin has been using its market-leading position to promote inverter systems worldwide. DC Inverter models feature advanced DC motors. These motors use high-power magnets to generate rotation, giving them greater efficiency than AC motors.

Features

- Improved performance over non-inverter models
- Optimal control with Intelligent Eye and Econo Mode
- Advanced comfort features including 3D Airflow
- Greater convenience with weekly scheduling
- Titanium Apatite Photocatalytic Air-Purifying Filter



FTKV25/35



FTKC25/35

Lineup of FTKV and FTKC Series

FTKV Series

Cooling Only



FTKV25/35NVM



RKV25/35NVM

R-32
INVERTER

2.5 kW Class		FTKV25NVM / RKV25NVM		
Cooling Capacity	Rated (Min.-Max.)	kW	2.5 (1.2-3.4)	
		Btu/h	8,500 (4,100-11,600)	
3.5 kW Class		FTKV35NVM / RKV35NVM		
Cooling Capacity	Rated (Min.-Max.)	kW	3.5 (1.3-4.1)	
		Btu/h	11,900 (4,400-14,000)	



FTKV50/60NVM



RKV50/60NVM

R-32
INVERTER

5.0 kW Class		FTKV50NVM / RKV50NVM		
Cooling Capacity	Rated (Min.-Max.)	kW	5.2 (1.7-6.0)	
		Btu/h	17,700 (5,800-20,500)	
6.0 kW Class		FTKV60NVM / RKV60NVM		
Cooling Capacity	Rated (Min.-Max.)	kW	6.0 (1.9-7.0)	
		Btu/h	20,500 (6,500-23,900)	



FTKC Series

Cooling Only



FTKC25/35NVM



RKC25/35NVM

R-32
INVERTER

2.5 kW Class		FTKC25NVM / RKC25NVM	
Cooling Capacity	Rated (Min.-Max.)	kW	2.5 (1.2-3.4)
		Btu/h	8,500 (4,100-11,600)
3.5 kW Class		FTKC35NVM / RKC35NVM	
Cooling Capacity	Rated (Min.-Max.)	kW	3.5 (1.3-4.1)
		Btu/h	11,900 (4,100-14,000)



FTKC50/60NVM



RKC50/60NVM

R-32
INVERTER

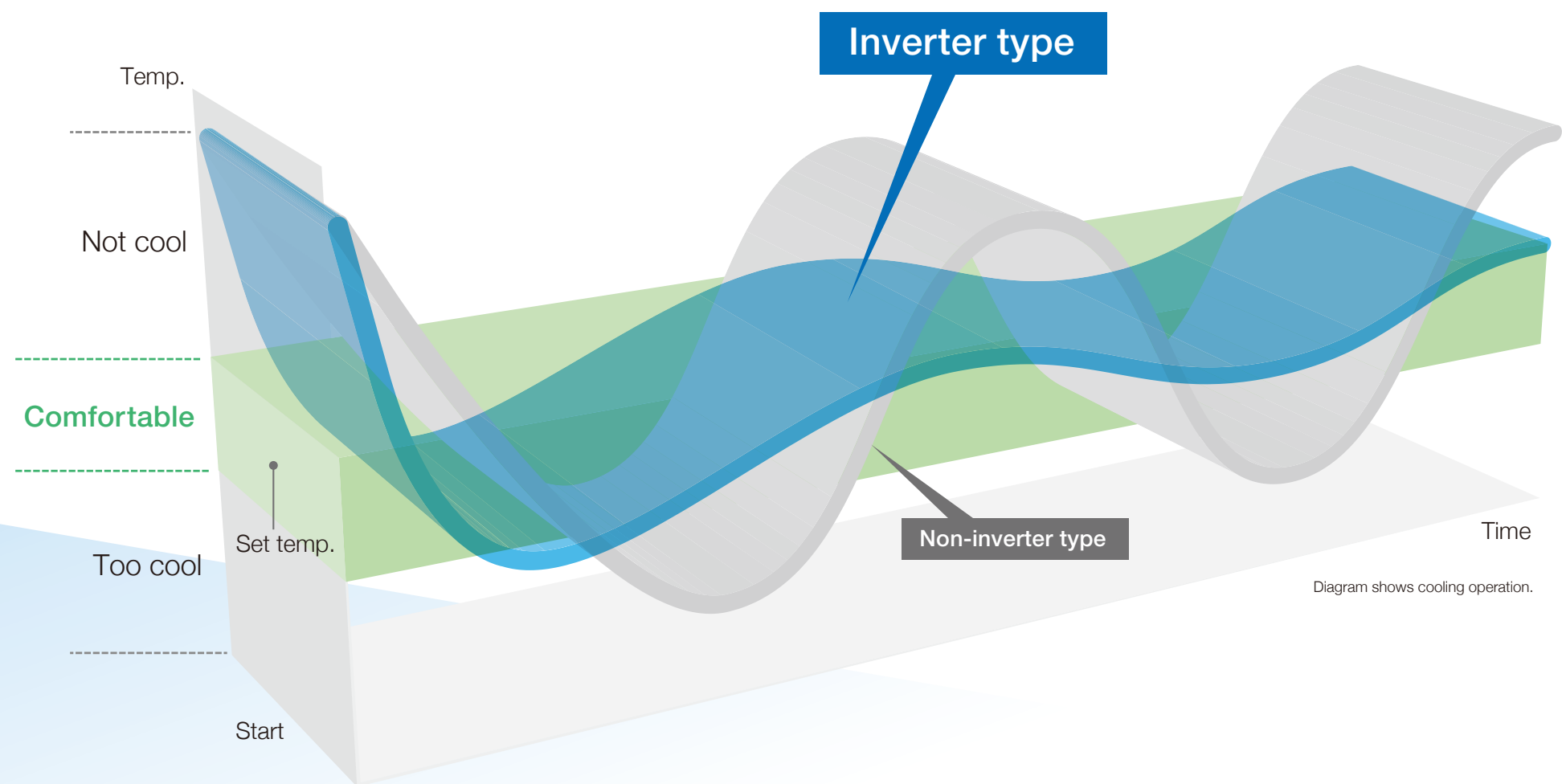
5.0 kW Class		FTKC50NVM / RKC50NVM		
Cooling Capacity	Rated (Min.-Max.)	kW	5.2 (1.6-5.9)	
		Btu/h	17,700 (5,500-20,100)	
6.0 kW Class		FTKC60NVM / RKC60NVM		
Cooling Capacity	Rated (Min.-Max.)	kW	6.0 (1.8-6.9)	
		Btu/h	20,500 (6,100-23,500)	



Inverter Advantages

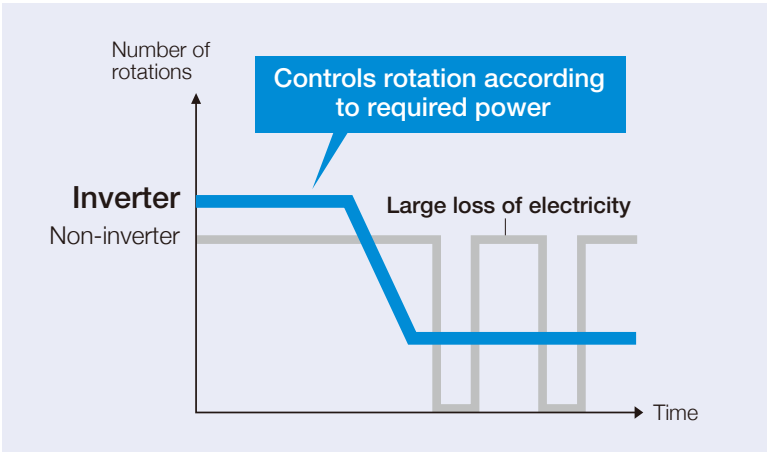


■ Less Temperature Fluctuation



More Energy-Saving than Non-Inverter

Inverters are devices which are able to vary their capacity by adjusting operating frequency. Inverter air conditioners do this by altering the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed capacity and can only control the indoor temperature by starting or stopping their compressors.



Inverter systems can cut energy consumption compared to non-inverter models. This helps to reduce household power bills and also lowers CO₂ emissions caused by electricity generation.

Powerful

Inverter air conditioners operate at maximum capacity as soon as they start up. This burst of increased power allows them to reach the set temperature more quickly.

Energy-Saving

As the set temperature is reached, inverter operation adjusts to low capacity to maintain the room temperature. This precise control makes inverter models more energy-efficient than non-inverters, which must repeatedly start or stop their compressors.

Comfortable

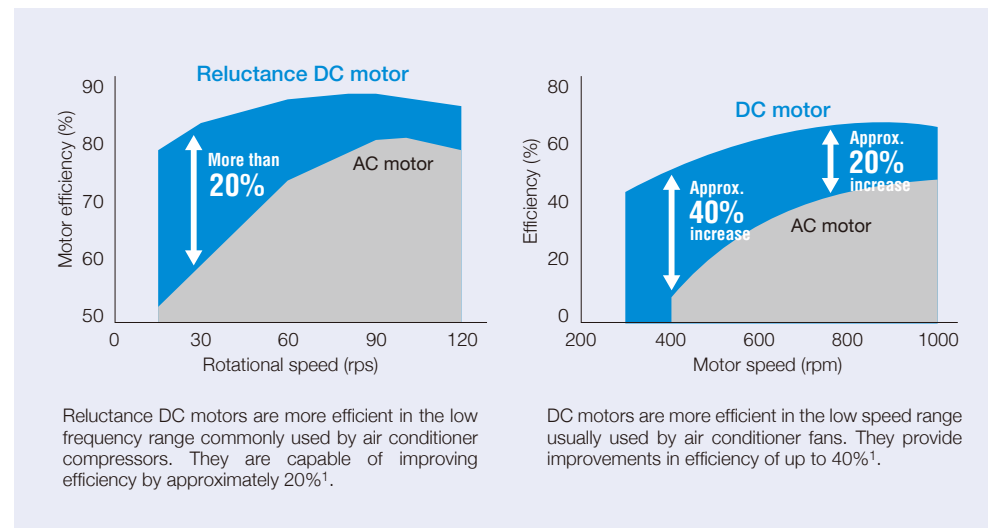
Inverter systems finely adjust their capacity according to the air conditioning load, minimising the difference between the set temperature and room temperature. This ensures higher comfort levels than with non-inverter systems.



DC Inverter Advantages

DC Inverter Control

DC Inverter is Daikin's term for an inverter air conditioner equipped with a DC motor. These motors use magnets to generate rotation, making them more efficient than AC motors. Daikin has fitted its advanced DC motors for compressors and fan motors with powerful neodymium magnets to achieve even greater efficiency. It calls these devices Reluctance DC motors.

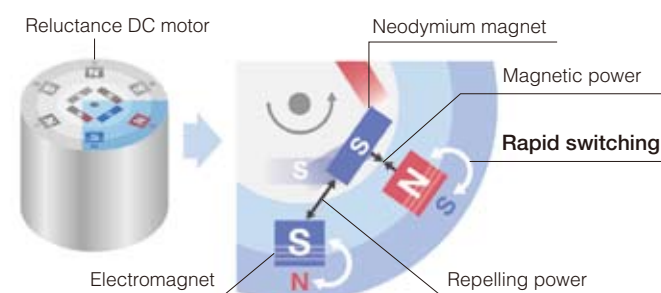


Swing Compressor

With its smooth rotation, the swing compressor significantly decreases friction and vibration. It also eliminates the leakage of refrigerant gas during compression. These advantages provide quiet and efficient operation.

Reluctance DC Motor for Compressors

The compressor is one of an air conditioner's core components and its performance is directly linked to the motor. Daikin was the first to successfully use a Reluctance DC motor with a scroll compressor in commercial-use air conditioners². It has now adapted this high-efficiency motor for the swing compressors in its residential-use systems.



Embedding high-strength neodymium magnets in the shaft turns the entire centre of the motor into a powerful magnet. By rapidly switching the poles of this electromagnet, the Reluctance DC motor is able to produce even greater speed and power.

High COPs of 3.45 to 4.63

The FTKV series achieves COPs of 3.80 to 4.63 and the FTKC series 3.45 to 3.60 thanks to Daikin's DC Inverter control and combined energy-saving technologies.

The FTKV models have received Singapore's 4 Tick Energy Label, which is the country's highest energy-efficiency rating for inverter type air conditioners. The FTKC models have received Singapore's 4 Tick Energy Label.

What Is COP? An air conditioner's COP (coefficient of performance) indicates how efficiently the unit uses energy. A higher COP means greater energy efficiency. It also means lower electricity consumption, and of course lower power bills.

$$\text{COP} = \frac{\text{Capacity (W)}}{\text{Power consumption (W)}}$$

The Next Generation Refrigerant R-32

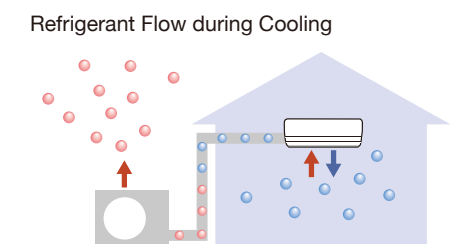
As the sole worldwide manufacturer of both air conditioning equipment and refrigerants, Daikin is continuously researching refrigerants as well as new technologies that can save energy consumption for air conditioners. Climate change means substances with a lower environmental impact are urgently required. Daikin has now adopted R-32. This next generation refrigerant does not deplete the ozone layer and lower impact on global warming.

R-32 Features

1. Zero ozone layer depletion
2. Low global warming potential
3. Increased energy efficiency
4. Less impact on global warming



Refrigerant is changed from gas to liquid in the outdoor heat exchanger, after which it is evaporated in the indoor heat exchanger. During cooling operation, cool air is discharged from the indoor unit while heat is removed from the air taken in from inside the room. This heat is delivered to the outdoor unit and released.



Notes: 1. Values are based on in-house simulations.

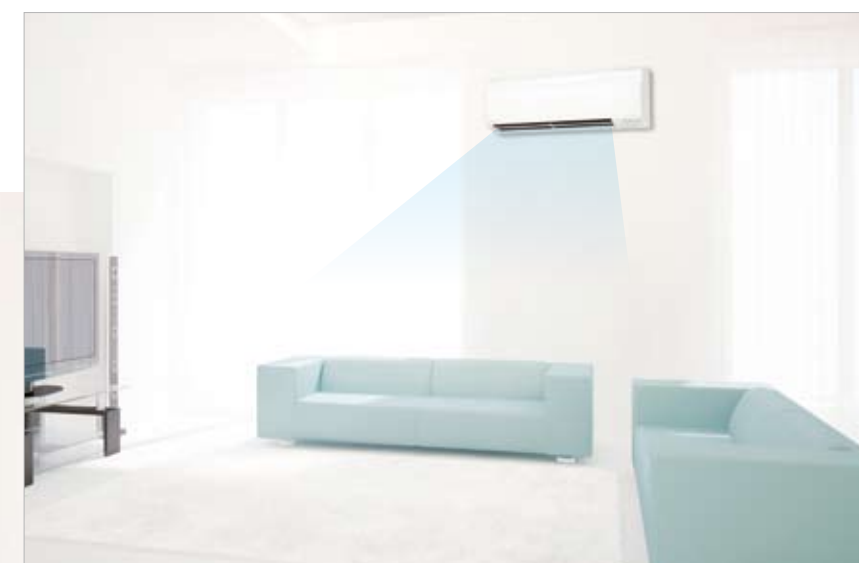
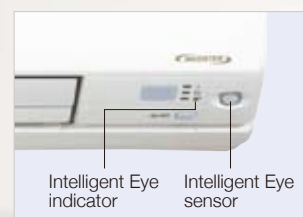
2. Daikin's achievement was recognised by the Institute of Electrical Engineers of Japan at the 54th Academic Promotion and Technical Development Awards in 1998.

Less Wasted Energy with Infra red Sensors

Intelligent Eye

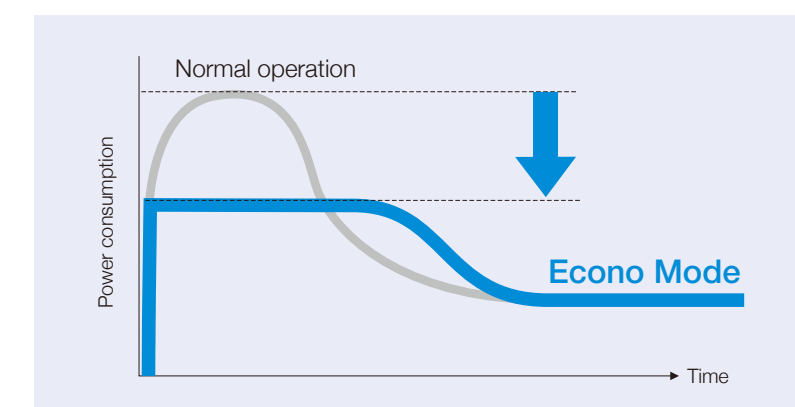
Intelligent Eye prevents energy wastage by using its infrared sensors to detect human movement in a room. If there is no movement for 20 minutes, it automatically adjusts the set temperature by 2°C. Once Intelligent Eye is turned on, it operates automatically without any further setting.

This function is available for FTKV series.



Econo Mode

This function limits the maximum power consumption. It helps to reduce power usage if the cooling load is high, for example, at startup or during large gatherings and periods of direct sunshine.

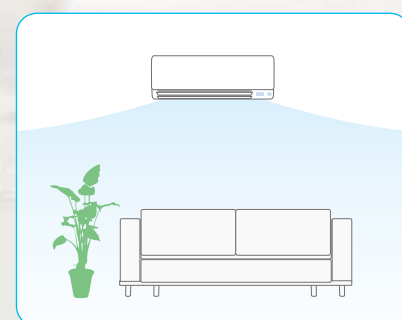
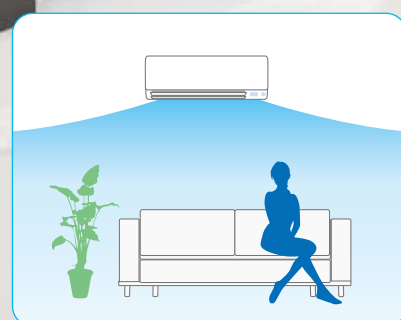


Maximum capacity decreases during Econo Mode, requiring more time to reach the set temperature.

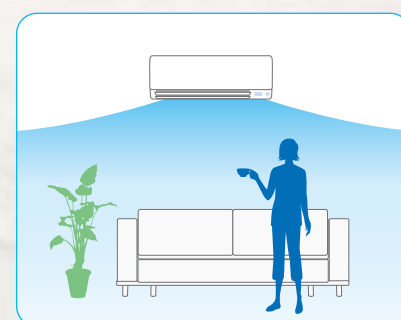
Standby Electricity Saving

Electrical appliances still use a surprising amount of power even when they are waiting in standby mode. Recognising this, Daikin has developed the Standby Electricity Saving function to reduce this hidden power consumption.

This function is available for FTKV50/60 and FTKC50/60.



If Intelligent Eye detects no movement for 20 minutes, it adjusts the set temperature by 2°C.



When a person enters the room, it automatically returns the temperature to the set level.

Choice of Wide Range of Airflow Patterns

Power-Airflow Dual Flaps

The Power-Airflow Dual Flaps flatten out during cooling operation to deliver air to every part of a room. Selecting the low angle sends air right to the corners, while choosing the high angle spreads air around the centre.

This function is available for the FTKV series and FTKC50/60.
For FTKC25/35, the Power-Airflow Flap is available.



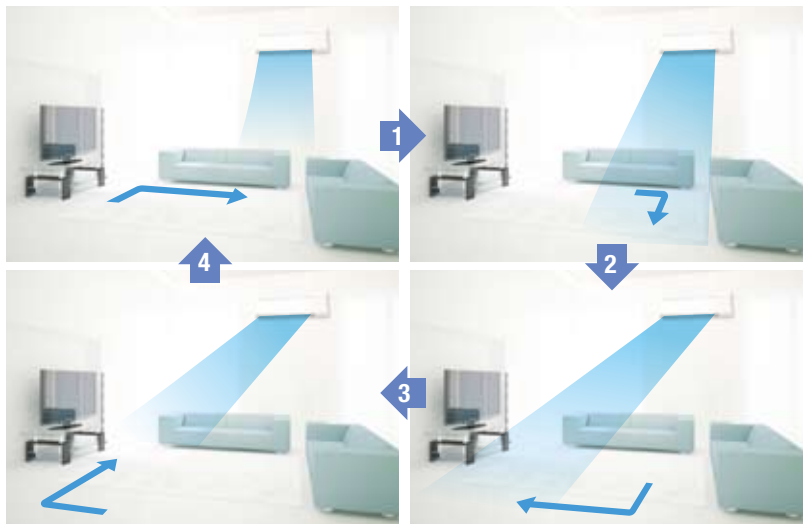
When you choose the low angle, cool air slides off to reach the corners of the room.



3D Airflow

3D Airflow combines Vertical and Horizontal Auto-Swing to reduce indoor temperature fluctuation. This function circulates air to every part of a room for uniform cooling of even large spaces. To start 3D Airflow, push both the Vertical and Horizontal Auto-Swing buttons. The flaps and louvers swing in turn.

This function is available for the FTKV50/60.



The flaps and louvers swing in turn, expanding the comfort zone.

Wide-Angle Louvers

The Wide-Angle Louvers provide effective airflow coverage no matter where the indoor unit is placed in a room. The louvers deliver cool air right to the corners of any space. The FTKV50/60 and FTKC50/60 can be adjusted directly from the wireless remote controller. Other units can be set manually.



The angles of the louvers can be freely adjusted according to where people are in the room. If the indoor unit is not positioned in the centre of the wall, the louvers can be set to the left or right.

Inverter Powerful Operation

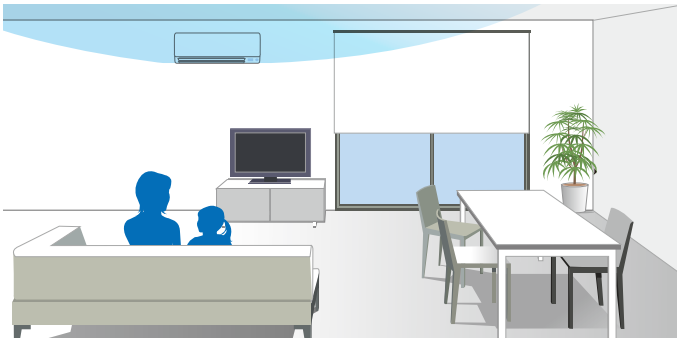
Inverter Powerful Operation boosts airflow to maximum volume for a 20 minute period. This function is convenient for quickly adjusting the indoor temperature to the set temperature. After 20 minutes, the unit automatically returns to its previous settings.



Comfort Airflow Mode

Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to a person's body. During cooling operation, the flap moves upward to prevent cold drafts.

This function is available for FTKV50/60 and FTKC25/35.



Quiet Nights in Your Neighborhood

Indoor Unit Quiet Operation

The FTKV and FTKC series give you a choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation, which decreases the sound pressure level by 3 dB (A) below the Low setting.

This wide range of settings allows you to precisely control the fan speed according to your needs. For example, the Quiet function will help you to sleep more comfortably at night. The sound pressure level is just 22 dB (A)¹ for the FTKV25 and FTKC25.

FTKV25

Fan speeds	Sound pressure levels
High (H)	37 dB (A)
Low (L)	25 dB (A)
 Quiet (SL)	22 dB (A)

	Auto	SL	L	M	H
					
Fan speed		Low			High
Sound pressure level		Each decrease in airflow volume reduces the sound pressure level.			

3 dB (A)

Outdoor Unit Quiet Operation

This function decreases the sound pressure level by 3 to 6 dB (A) below the rated operation. It provides a sound pressure level of 43 dB (A)¹ for the RKV25. Capacity may decrease when Outdoor Unit Quiet Operation is selected.

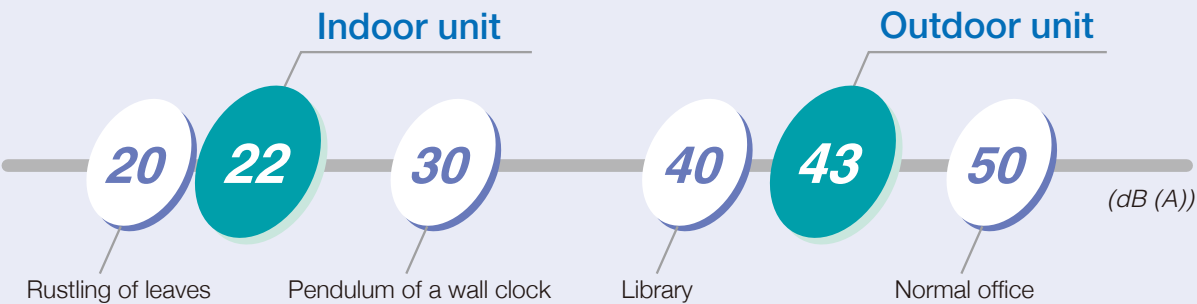
This function is not available for RKC25/35.

RKV25

Operations	Sound pressure levels
Rated (H)	46 dB (A)
Quiet (SL)	43 dB (A)

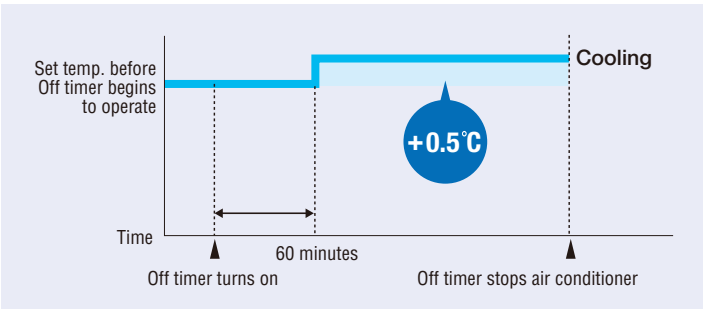
3 dB (A)

22 dB (A) is so quiet you can even hear whispers²



Night Set Mode

Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling for a pleasant sleep. One hour after the Off timer button is pressed, the room temperature is raised by 0.5°C.



Cooling operation: Room temperature is raised by 0.5°C after 60 minutes.



Notes: 1. This value is for operation at 220 V.
2. Based on "Examples of Sound Pressure Levels", Ministry of the Environment, Japan, November 2002.

Set and Forget On/Off Operation

Weekly Timer

The Weekly Timer allows up to four actions to be programmed for each day of the week. It is possible to schedule not only the On and Off times but also to set temperatures. Once you set up the Weekly Timer, the air conditioner operates each day without controller input. The Weekly Timer synchronises the air conditioner with your family's schedule, greatly improving comfort in your home.

This function is available for the FTKV50/60.



■ Living room Monday to Friday

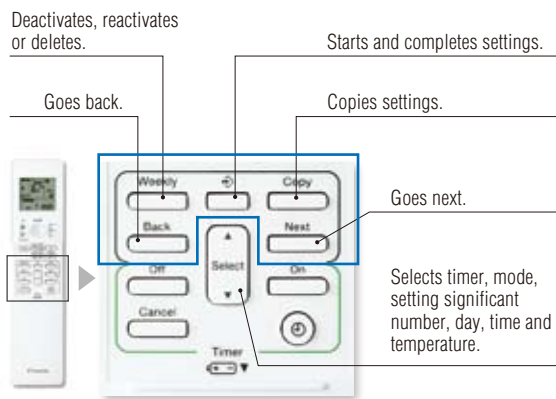
Programme 1.	Programme 2.	Programme 3.	Programme 4.
On 22°C 6:00 a.m.	Off 8:00 a.m.	On 21°C 6:00 p.m.	Off 11:00 p.m.
If you set the Weekly Timer 30 minutes before your wake-up time, you can avoid the hot and humid morning air and enjoy a pleasantly cool room as you get up.	The Weekly Timer will automatically stop operation after you leave home on a busy morning. You can forget about the air conditioner.	If you set the Weekly Timer an hour before you arrive home, you can enjoy a wave of cool air as soon as you step through the door.	The Weekly Timer will automatically stop operation when you go to bed.

■ Bedroom Monday to Friday

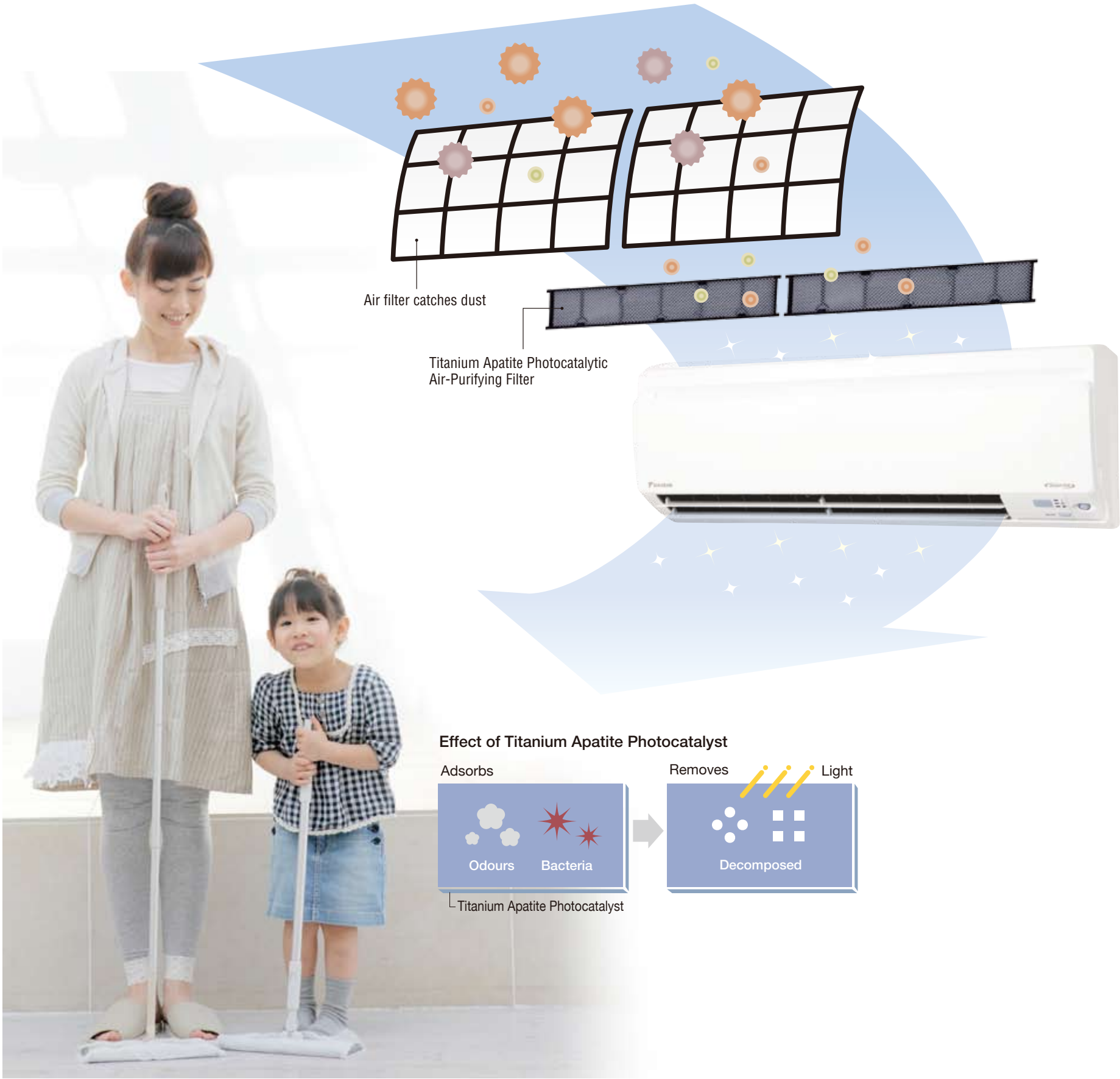
Programme 1.	Programme 2.	Programme 3.	Programme 4.
On 26°C 10:30 p.m.	Off 2:00 a.m.	On 26°C 6:00 a.m.	Off 7:00 a.m.
Even if you go to bed at 11:00 p.m., the air conditioner will operate before 30 minutes to help you fall into a comfortable sleep.	Even if you go to bed at 11:00 p.m., the air conditioner will operate for another three hours to help you fall into a comfortable sleep. Stopping operation during the night prevents overcooling and saves you from catching a chill.	If you set the Weekly Timer 30 minutes before your wake-up time, you can avoid the hot and humid morning air and enjoy a pleasantly cool room as you get up.	The Weekly Timer will automatically stop operation when you leave home.

Controller Buttons and Copy Function

You can set up the Weekly Timer using the wireless remote controller. The copy function also enables a daily programme to be repeated on other days as required. This makes it even easier to set the timer.



Photocatalytic Air Purifying



Titanium Apatite Photocatalytic Air-Purifying Filter

Photocatalytic air purifying is a deodorising and antibacterial technology. Daikin was the first to apply this advance to the air-purifying filters used in air conditioners¹. Daikin's success has led manufacturers in various industries to adopt the technology for antibacterial products.

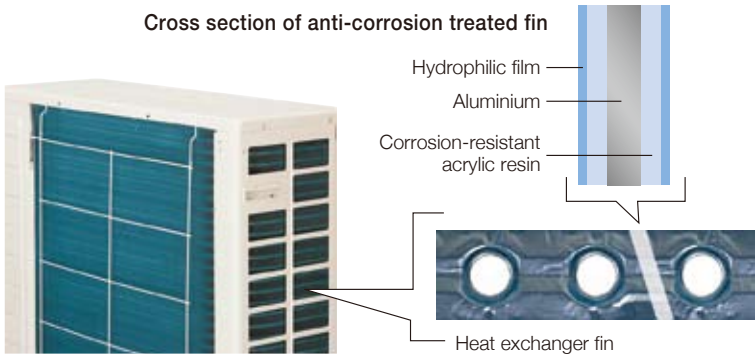
Titanium apatite is an advanced photocatalytic material with great adsorption power. While a filter's micron-level fibres trap dust, titanium apatite effectively adsorbs and decomposes bacteria. The photocatalyst is activated simply by exposure to light. This filter delivers consistent performance for approximately three years if it is washed with water once every six months.



This filter is not a medical device. Benefits such as the adsorption and decomposition of bacteria are only effective for substances which are directly attached to the Titanium Apatite Photocatalytic Air-Purifying Filter.

Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins

The outdoor unit's heat exchanger fins are processed using a special anti-corrosion treatment. The surface is covered with a thin acrylic resin layer to provide enhanced resistance to acid rain and salt corrosion.



Note: 1. This practical application of titanium apatite was a world first. Announced in September 2003 at the 3rd International Workshop on the Utilization and Commercialization of Photocatalytic Systems, Coatings for Clean Surfaces, Water and Air Purification.

Function List of FTKV and FTKC Series

Indoor Unit		FTKV Series		FTKC Series	
Models	Functions	FTKV25/35	FTKV50/60	FTKC25/35	FTKC50/60
					
Comfortable Airflow	DC Inverter Control	●	●	●	●
	 Power-Airflow Dual Flaps	●	●		●
	 Power-Airflow Flap			●	
	 Wide-Angle Louvers	●	●	●	●
	 Vertical Auto-Swing (up and down)	●	●	●	●
	 Horizontal Auto-Swing (left and right)		●		
	 3D Airflow		●		
Comfort Control	 Comfort Airflow Mode		●	●	
	 Indoor Unit Quiet Operation	●	●	●	●
	 Intelligent Eye	●	●		
	 Programme Dry Function	●	●	●	●
Lifestyle Convenience	 Auto Fan Speed	●	●	●	●
	 Standby Electricity Saving		●		●
	 Econo Mode	●	●	●	●
	 Inverter Powerful Operation	●	●	●	●
	 Wireless Remote Controller with Backlight	●	●		
Cleanliness	 Indoor Unit On/Off Switch	●	●	●	●
	 Titanium Apatite Photocatalytic Air-Purifying Filter	●	●	●	●
	 Wipe-Clean Flat Panel	●	●	●	●
Timers	 24-Hour On/Off Timer	●	●	●	●
	 Weekly Timer		●		
	 Night Set Mode	●	●	●	●
Worry Free	 Auto-Restart after Power Failure	●	●	●	●
	 Self-Diagnosis with Digital Display	●	●	●	●

Outdoor Unit		FTKV Series		FTKC Series	
Models	Functions	RKV25/35	RKV50/60	RKC25/35	RKC50/60
					
Comfort Control	 Outdoor Unit Quiet Operation	●	●		●
Worry Free	 Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins	●	●	●	●

Functions

Comfortable Airflow



Power-Airflow Dual Flaps

The Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room.

This function is available for FTKV series and FTKC50/60.

► See page 19



Power-Airflow Flap

The Power-Airflow Flap flattens out during cooling operation to deliver cool air to the corners of a room.

This function is available for FTKC25/35.



Wide-Angle Louvers

The Wide-Angle Louvers provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room.

► See page 20



Vertical Auto-Swing (up and down)

This function automatically moves the flaps up and down to distribute air across a room.



Horizontal Auto-Swing (left and right)

Horizontal Auto-Swing automatically moves the louvers to the left and right to cover a room with cool air.

This function is available for FTKV50/60.



3D Airflow

This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool air right to the corners of even large spaces. The flaps and louvers swing in turn.

This function is available for FTKV50/60.

► See page 19

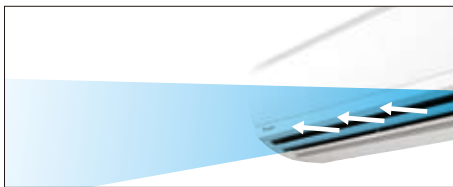


Comfort Airflow Mode

This function prevents uncomfortable drafts from blowing directly on to the body. To prevent drafts, the flap moves upward during cooling operation.

This function is available for FTKV50/60 and FTKC25/35.

► See page 20



Cleanliness



Titanium Apatite Photocatalytic Air-Purifying Filter

This filter contains the advanced photocatalytic material titanium apatite. While the filter's micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria. The filter can be used for up to three years with proper maintenance.

► See pages 25 and 26



Wipe-Clean Flat Panel

The flat panel design can be cleaned with only the single pass of a cloth across its smooth surface. The flat panel can also be easily removed for more thorough cleaning.

Comfort Control



Indoor Unit Quiet Operation

Indoor unit operating sound pressure levels can be decreased from the Low setting fan speed using the wireless remote controller.

► See page 21



Outdoor Unit Quiet Operation

Outdoor unit operating sound pressure levels can be decreased from the rated operation sound using the wireless remote controller.

This function is not available for RKC25/35.

► See page 21

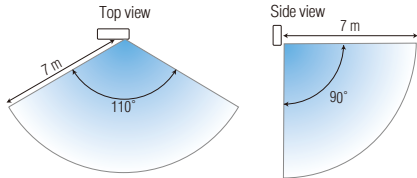


Intelligent Eye

Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement for 20 minutes, it adjusts the temperature by 2°C for energy savings.

This function is available for FTKV series.

► See page 17



Programme Dry Function

The microprocessor works to eliminate humidity while maintaining the most consistent temperature possible. It automatically controls the temperature and fan speed.



Auto Fan Speed

The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Timers



24 Hour On/Off Timer

This timer can start or stop the air conditioner within a 24 hour period. It can be preset in 10 minute steps by pressing the On/Off Timer button on the wireless remote controller. The On Timer and Off Timer can be used in combination.



Weekly Timer

The Weekly Timer allows up to four actions to be programmed for each day of the week. It is possible to schedule not only the on and off times, but also the desired temperatures during these periods. The copy function also makes the setting much easier and enables a daily programme to be repeated on other days as required.

This function is available for FTKV50/60.

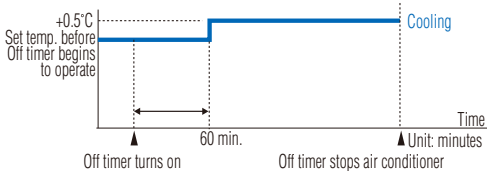
► See pages 23 and 24



Night Set Mode

Pressing the Off Timer button automatically selects Night Set Mode. This function prevents excessive cooling for a pleasant sleep. After 60 minutes, the room temperature is raised by 0.5°C for cooling operation.

► See page 22



Lifestyle Convenience



Standby Electricity Saving

Even when an air conditioner is not operating, it requires standby power. However, thanks to this function, the required standby power can be reduced.

This function is available for FTKV50/60 and FTKC50/60.

► See page 18



Econo Mode

This mode limits maximum power consumption. This improves operating efficiency and also prevents circuit breakers from being overloaded.

► See page 18



Inverter Powerful Operation

This function boosts cooling performance for 20 minute period. It is convenient when the air conditioner is first turned on or it is necessary to change the room temperature quickly.

► See page 20



Wireless Remote Controller with Backlight

The backlit LCD allows easy operation in the dark. Frequently used functions are conveniently located on the front of the controller.

This function is available for FTKV series.



Indoor Unit On/Off Switch

The unit can be conveniently started by hand if the wireless remote controller is misplaced or its batteries are not charged.



Indoor Unit On/Off Switch

Worry Free



Auto-Restart after Power Failure

The air conditioner memorises the settings for operation mode (cooling, dry and fan only), airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.



Self-Diagnosis with Digital Display

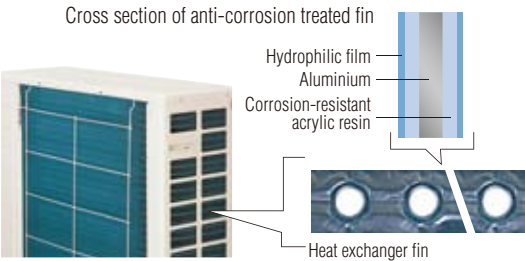
Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.



Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins

The outdoor unit's heat exchanger fins are processed using a special anti-corrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.

► See page 26

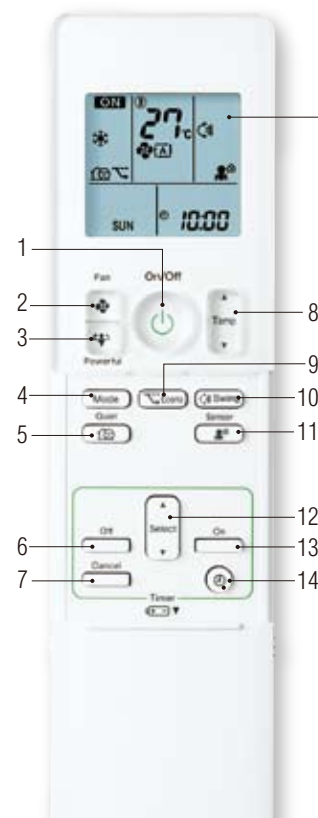


Wireless Remote Controller

FTKV25/35



- On and Off switch 1
- Selects fan speed.
Auto Fan Speed and Indoor Unit Quiet Operation 2
- Inverter Powerful Operation 3
- Selects operation mode: Cooling, Dry and Fan Only. 4
- Outdoor Unit Quiet Operation 5
- 24 Hour Off Timer and Night Set Mode 6
- Cancels timers. 7

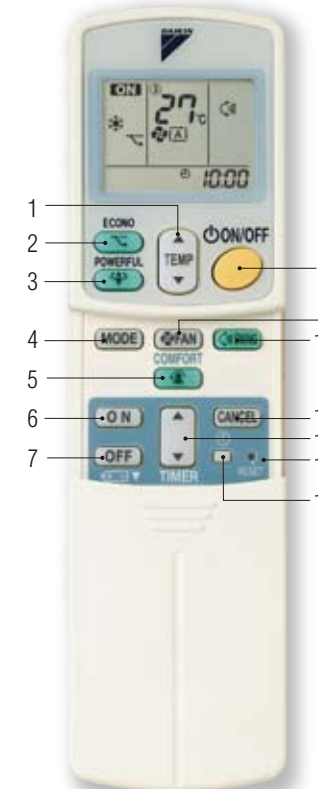


- The backlit LCD allows easy operation in the dark.
- 8 Sets room temperature.
- 9 Econo Mode
- 10 Sets vertical airflow direction. Vertical Auto-Swing
- 11 Intelligent Eye
- 12 Selects time.
- 13 24 Hour On Timer
- 14 Sets clock.

FTKC25/35



- Sets room temperature. 1
- Econo Mode 2
- Inverter Powerful Operation 3
- Selects operation mode: Cooling, Dry and Fan Only. 4
- Comfort Airflow Mode 5
- 24 Hour On Timer 6
- 24 Hour Off Timer and Night Set Mode 7

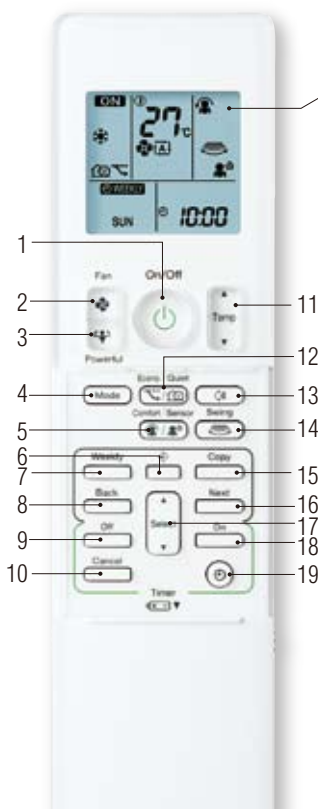


- 8 On and Off switch
- 9 Selects fan speed. Auto Fan Speed and Indoor Unit Quiet Operation
- 10 Sets vertical airflow direction. Vertical Auto-Swing
- 11 Cancels timer.
- 12 Selects time.
- 13 Resets settings.
- 14 Sets clock.

FTKV50/60



- On and Off switch 1
- Selects fan speed.
Auto Fan Speed and Indoor Unit Quiet Operation 2
- Inverter Powerful Operation 3
- Selects operation mode: Cooling, Dry and Fan Only. 4
- Comfort Airflow Mode and Intelligent Eye 5
- Starts and completes settings. 6
- Deactivates, reactivates or deletes Weekly Timer settings. 7
- Goes back. 8
- 24 Hour Off Timer and Night Set Mode 9
- Cancels timers. 10

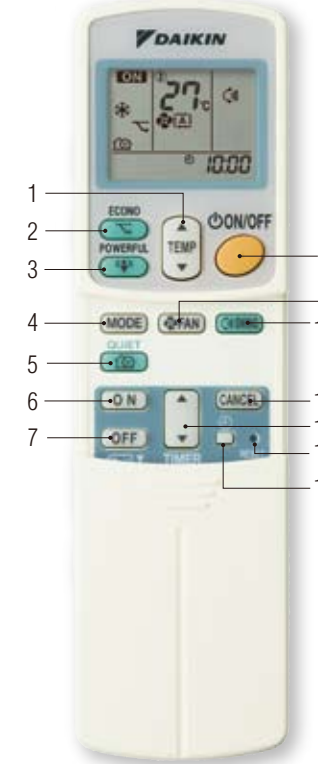


- The backlit LCD allows easy operation in the dark.
- 11 Sets room temperature.
- 12 Econo Mode and Outdoor Unit Quiet Operation
- 13 Sets vertical airflow direction. Vertical Auto-Swing and 3D Airflow
- 14 Sets horizontal airflow direction. Horizontal Auto-Swing and 3D Airflow
- 15 Copies settings.
- 16 Goes next.
- 17 Selects timer, mode, setting significant number, day, time and temperature.
- 18 24 Hour On Timer
- 19 Sets clock.

FTKC50/60



- Sets room temperature. 1
- Econo Mode 2
- Inverter Powerful Operation 3
- Selects operation mode: Cooling, Dry and Fan Only. 4
- Outdoor Unit Quiet Operation 5
- 24 Hour On Timer 6
- 24 Hour Off Timer and Night Set Mode 7



- 8 On and Off switch
- 9 Selects fan speed. Auto Fan Speed and Indoor Unit Quiet Operation
- 10 Sets vertical airflow direction. Vertical Auto-Swing
- 11 Cancels timer.
- 12 Selects time.
- 13 Resets settings.
- 14 Sets clock.

Specifications for FTKV Series

Model name	Indoor unit		FTKV25NVM	FTKV35NVM	FTKV50NVM	FTKV60NVM
	Outdoor unit		RKV25NVM	RKV35NVM	RKV50NVM	RKV60NVM
Capacity	Rated (Min.-Max.)	kW	2.5 (1.2-3.4)	3.5 (1.3-4.1)	5.2 (1.7-6.0)	6.0 (1.9-7.0)
		Btu/h	8,500 (4,100-11,600)	11,900 (4,400-14,000)	17,700 (5,800-20,500)	20,500 (6,500-23,900)
Power supply			1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz			
Running current (220-230-240 V, 50 Hz / 220-230 V, 60 Hz)	Rated	A	2.7-2.6-2.5 / 2.7-2.6	4.4-4.2-4.0 / 4.4-4.2	6.0-5.7-5.5 / 6.0-5.7	7.4-7.1-6.8 / 7.4-7.1
Power consumption		W	540	910	1,300	1,580
COP		W/W	4.63	3.85	4.00	3.80
Indoor unit			FTKV25NVM	FTKV35NVM	FTKV50NVM	FTKV60NVM
Front panel colour			Pure white			
Airflow rate	H	m³/min (cfm)	7.8 (275)	8.0 (282)	14.3 (504)	15.4 (544)
Fan speed			5 steps, quiet and automatic			
Sound pressure levels	H/L/SL	dB (A)	37/25/22	38/26/23	43/34/31	45/35/32
Dimensions	H x W x D	mm	283 x 800 x 195		290 x 1,050 x 250	
Machine weight		kg	9		12	
Outdoor unit			RKV25NVM	RKV35NVM	RKV50NVM	RKV60NVM
Casing colour			Ivory white			
Compressor	Type		Hermetically sealed swing type			
	Motor output	W	800		1,300	
Refrigerant	Type		R-32			
	Charge	kg	0.9		1.2	
Sound pressure levels	H/SL	dB (A)	46/43	47/44	48/44	52/46
Dimensions	H x W x D	mm	550 x 765 x 285		735 x 825 x 300	
Machine weight		kg	34		43	
Operation range		°CDB	19.4 to 46			
Piping connection	Liquid	mm	ø6.4			
	Gas		ø 9.5		ø 12.7	
	Drain		ø 18.0			
Max. piping length		m	20		30	
Max. level difference			15		20	

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; piping length 7.5 m.
2. Sound pressure levels are based on the temperature conditions 1 above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Options for FTKV Series

Indoor Unit

No.	Item	FTKV25/35/50/60
1	5-room centralised controller	KRC72A
2	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact)	KRP413AB1S
3	Titanium apatite photocatalytic air-purifying filter	KAF970A46
4	Remote controller loss prevention with chain	KKF917A4

Notes: *1. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
*2. The time clock and other devices should be obtained locally.
*3. The filter is a standard accessory.



5-room centralised controller
KRC72A



Titanium apatite photocatalytic
air-purifying filter
KAF970A46



Remote controller loss
prevention with chain
KKF917A4

Outdoor Unit

No.	Item	RKV25/35	RKV50/60
1	Air direction adjustment grille	KPW937A4	KPW945A4
2	Drain plug	KKP937A4	

Note: *1. One set includes five pieces for five units.



Air direction adjustment grille
KPW945A4



Drain plug
KKP937A4

Control System

No.	Item	FTKV25/35/50/60
1	Central remote controller	DCS302CA61
2	Unified On/Off controller	DCS301BA61
3	Schedule timer	DST301BA61
4	Interface adaptor for DIII-NET use	KRP928BB2S

Note: *1. Interface adaptor for DIII-NET use (KRP928BB2S) is also required for each indoor unit.



Central remote controller
DCS302CA61



Unified On/Off controller
DCS301BA61



Schedule timer
DST301BA61

Specifications for FTKC Series

Model name	Indoor unit		FTKC25NVM	FTKC35NVM	FTKC50NVM	FTKC60NVM
	Outdoor unit		RKC25NVM	RKC35NVM	RKC50NVM	RKC60NVM
Capacity	Rated (Min.-Max.)	kW	2.5 (1.2-3.4)	3.5 (1.3-4.1)	5.2 (1.6-5.9)	6.0 (1.8-6.9)
		Btu/h	8,500 (4,100-11,600)	11,900 (4,100-14,000)	17,700 (5,500-20,100)	20,500 (6,100-23,500)
Power supply			1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz			
Running current (220-230-240 V, 50 Hz / 220-230 V, 60 Hz)	Rated	A	3.4-3.3-3.1 / 3.4-3.3	4.6-4.4-4.2 / 4.6-4.4	6.7-6.4-6.1 / 6.7-6.4	8.0-7.7-7.3 / 8.0-7.7
Power consumption		W	700	990	1,445	1,740
COP		W/W	3.57	3.54	3.60	3.45
Indoor unit			FTKC25NVM	FTKC35NVM	FTKC50NVM	FTKC60NVM
Front panel colour			Shiny pure white			
Airflow rate	H	m³/min (cfm)	9.0 (318)	9.2 (324)	14.3 (504)	15.4 (544)
Fan speed			5 steps, quiet and automatic			
Sound pressure levels	H/L/SL	dB (A)	38/25/22	41/30/26	42/32/29	44/34/31
Dimensions	H x W x D	mm	283 x 770 x 203		290 x 1,050 x 237	
Machine weight		kg	8		12	
Outdoor unit			RKC25NVM	RKC35NVM	RKC50NVM	RKC60NVM
Casing colour			Ivory white			
Compressor	Type		Hermetically sealed swing type			
	Motor output	W	860		1,300	
Refrigerant	Type		R-32			
	Charge	kg	0.5	0.7	1.2	
Sound pressure levels	H/SL	dB (A)	47/ –	49/ –	48/44	52/46
Dimensions	H x W x D	mm	550 x 658 x 275		735 x 825 x 300	
Machine weight		kg	28	32	43	
Operation range		°CDB	19.4 to 46			
Piping	Liquid	mm	ø6.4			
connection	Gas		ø 9.5		ø 12.7	
	Drain		ø 16.0		ø 18.0	
Max. piping length		m	15		30	
Max. level difference			12		20	

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27 °CDB, 19 °CWB; outdoor temp. 35 °CDB; piping length 7.5 m.
2. Sound pressure levels are based on the temperature conditions 1 above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Options for FTKC Series

Indoor Unit

No.	Item	FTKC25/35	FTKC50/60
1	5-room centralised controller	—	KRC72A
2	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact)	KRP413AB1S	
3	Titanium apatite photocatalytic air-purifying filter	KAF970A46	
4	Remote controller loss prevention with chain	KKF917A4	

Notes: *1. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
*2. The time clock and other devices should be obtained locally.
*3. The filter is a standard accessory.



Outdoor Unit

No.	Item	RKC25/35	RKC50/60
1	Air direction adjustment grille	KPW937B4	KPW945A4
2	Drain plug	KKP937A4	

Note: *1. One set includes five pieces for five units.



Control System

No.	Item	FTKC25/35	FTKC50/60
1	Central remote controller	—	DCS302CA61
2	Unified On/Off controller	—	DCS301BA61
3	Schedule timer	—	DST301BA61
4	Interface adaptor for DIII-NET use	—	KRP928BB2S

Note: *1. Interface adaptor for DIII-NET use (KRP928BB2S) is also required for each indoor unit.



